



FLEXP[®] CLEAN CUT[®] HD RESISTS FRAYING WHEN CUT WITH SCISSORS · RESIN COATED CUT & ABRASION RESISTANCE

CLEAN CUT[®] HD (CCH) is perfect for heavy duty applications where there is no access to a hot knife. This dual monofilament sleeve is constructed with 10 mil polyethylene terephthalate (PET) and 15 mil nylon 6-6 polyamide monofilament yarns for superior strength. For an extra level of protection, a resin coating is applied to offer improved abrasion, cut, and fray resistance. The open-weave construction expands to fit several application shapes and sizes, and also makes this sleeving highly flexible and resistant to trapping moisture, heat and humidity. Clean Cut[®] HD is commonly used in military, marine, and industrial applications where additional abrasion and moisture protection is needed.

SIZING CHART

Nominal Size	Part #	Min Expansion	Max Expansion	*Put-Ups		Available Colors	Kgs/100m
				M	L		
3,2mm	CCH0.13BK	3,2mm	6,4mm	30,5m	304,9m	1	0,42
6,4mm	CCH0.25BK	3,2mm	9,5mm	30,5m	304,9m	1	0,63
9,5mm	CCH0.38BK	6,4mm	12,7mm	30,5m	152,4m	1	1,19
12,7mm	CCH0.50BK	9,5mm	19,1mm	30,5m	152,4m	1	1,58
19,1mm	CCH0.75BK	19,1mm	31,8mm	22,9m	76,2m	1	2,38
25,4mm	CCH1.00BK	25,4mm	38,1mm	15,2m	76,2m	1	2,54
31,8mm	CCH1.25BK	31,8mm	57,2mm	15,2m	76,2m	1	3,01
38,1mm	CCH1.50BK	38,1mm	63,5mm	15,2m	61,0m	1	4,02
50,8mm	CCH2.00BK	50,8mm	82,6mm	7,6m	30,5m	1	5,00

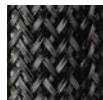
*Put-Ups: "M" = Shop Spool and "L" = Bulk Spool



FEATURES

Material	Polyethylene Terephthalate & Nylon 6-6 Polyamide
Grade	CCH
Monofilament Diameter	0,25mm & 0,38mm
Drawing Number	TF001CCH-WD
Cutting	Scissors

COLORS



Black (BK)

CERTIFICATIONS





ABRASION

Abrasion Resistance	VERY HIGH
Abrasion Test Machine	Taber 5150
Abrasion Test Wheel	Calibrase H-18
Abrasion Test Load	500g
Room Temperature	75°F / 24°C
Humidity	15%
Slightly Worn	400 Test Cycles
Worn To One Thread Break	1 000 Test Cycles
Fraying	1 600 Test Cycles
Broken Filaments - Material Destroyed	3 600 Test Cycles
Pre-Test Weight	3 691,4 mg
Post-Test Weight	2 073,8 mg
Test End Loss Of Mass Point Of Destruction	1 617,6 mg

PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	0,25mm & 0,38mm
Flammability Rating (SAE FMVSS-302)	Self Extinguishing
Recommended Cutting	Scissors
Colors	1
Wall Thickness	0,7mm
Tensile Strength (Yarn) (ASTM D-2256 Lbs)	
Specific Gravity (ASTM D-792)	
Moisture Absorption % (ASTM D-570)	
Hard Vacuum Data (ASTM E-595 at 10-5 torr)	
TML	
CVCM	
WVR	
Smoke D-Max (ASTM E-662)	
Outgassing	
Oxygen Index (ASTM D-2863)	

FLAMMABILITY

Rating (SAE FMVSS-302)	Self Extinguishing
------------------------	--------------------

OPERATING TEMPERATURES

Melt Point (ASTM D-2117)	509°F / 265°C
Maximum Continuous (Mil-I-23053)	257°F / 125°C
Minimum Continuous (Mil-I-23053)	-49°F / -45°C

CHEMICAL RESISTANCE

1=No Effect 2=Little Effect 3=Affected 4=More Affected 5=Severely Affected

Engine Oil (SAE J 2192)	1
Gasoline (SAE J 2192)	1
Diesel Fuel (SAE J 2192)	1
Power Steering Fluid (SAE J 2192)	1
Transmission Fluid (SAE J 2192)	1
Engine Coolant (SAE J 2192)	1
Battery Fluid (SAE J 2192)	1
5% NaCl - Salt Water (SAE J 2192)	1
Halogen Free	
RoHS	Yes
SVHC	

